

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A lithium secondary battery comprising:
an electrode body obtained by winding or laminating a positive electrode and a negative electrode via a separator, and
a non-aqueous electrolytic solution containing a lithium compound as the electrolyte,
wherein the battery, after 20,000 cycles, contains water (H₂O) and hydrofluoric acid (HF)
in a total concentration of 10,000 ppm or less.
2. (original) A lithium secondary battery according to claim 1, wherein the lithium compound is lithium hexafluorophosphate.
3. (original) A lithium secondary battery according to claim 1, wherein lithium manganese oxide of cubic system spinel structure containing lithium and manganese as the main components is used as the positive electrode active substance.
4. (original) A lithium secondary battery according to claim 2, wherein lithium manganese oxide of cubic system spinel structure containing lithium and manganese as the main components is used as the positive electrode active substance.
5. (previously presented) A lithium secondary battery according to claim 1, wherein a graphitized carbon fiber is used as the negative electrode active substance.
6. (previously presented) A lithium secondary battery according to claim 2, wherein a graphitized carbon fiber is used as the negative electrode active substance.
7. (previously presented) A lithium secondary battery according to claim 3, wherein a graphitized carbon fiber is used as the negative electrode active substance.

8.(previously presented) A lithium secondary battery according to claim 4, wherein a graphitized carbon fiber is used as the negative electrode active substance.

9. (original) A lithium secondary battery according to claim 1, which has a battery capacity of 2 Ah or more.

10. (original) A lithium secondary battery according to claim 1, which is used in an electric automobile or a hybrid electric automobile.
